AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1-17. (Cancelled)

18. (Currently Amended) The compressor assembly of Claim 44 46 wherein said system master can modify said image of said stored compressor configuration information.

19. (Currently Amended) The compressor assembly of Claim 44 46 further comprising a sensor in communication with said compressor, said sensor providing a signal to said control block indicative of an operating characteristic of said compressor, said system master receiving said signal from said control block.

20. (Currently Amended) The compressor assembly of Claim 44 46 further comprising a plurality of sensors in communication with said compressor, each of said plurality of sensors providing a signal to said control block indicative of an operating characteristic of said compressor.

21. (Previously Presented) The compressor assembly of Claim 20 wherein said control block creates an event history from said signals of said sensors.

22.   (Previously Presented) The compressor assembly of Claim 21 wherein said event history is provided to said system master from said control block.

23.   (Currently Amended) The compressor assembly of Claim 44 46 wherein said image of said stored compressor configuration information includes a model number of said compressor.

24.   (Currently Amended) The compressor assembly of Claim 44 46 wherein said stored image of said compressor configuration information includes a serial number of said compressor, a refrigerant code for said compressor and an oil code for said compressor.

25.   (Currently Amended) The compressor assembly of Claim 44 46 wherein said stored image of said compressor configuration information includes at least one pressure limit, at least one temperature limit and at least one time limit.

26.   (Currently Amended) The compressor assembly of Claim 44 46 wherein said control block includes a microprocessor.

27.   (Previously Presented) The compressor assembly of Claim 26 wherein said microprocessor functions as a gateway for communicating with said system master.

28.   (Previously Presented) The compressor assembly of Claim 26 wherein said microprocessor controls communication between said control block and said system master.

29.   (Currently Amended) The compressor assembly of Claim ~~44~~ 46 wherein said control block includes a memory device to store said image of said compressor configuration information.

30.   (Currently Amended) The compressor assembly of Claim ~~44~~ 46 wherein said system master selectively controls said control block.

31.   (Cancelled)

32.   (Currently Amended) The compressor assembly of Claim ~~44~~ 46 wherein said system master is operable to initially configure said compressor by sending said image of said compressor configuration information to said control block.

33.   (Currently Amended) The compressor assembly of Claim 44 46, further comprising the plurality of sensors integrated internally into said shell of said compressor and in communication with said control block.

34.   (Currently Amended) The compressor assembly of Claim ~~44~~ 46 wherein said control block includes a vibration sensor.

35. (Cancelled)

36. (Currently Amended) The compressor assembly of Claim ~~45~~ 47 wherein said system master is operable to initially configure said compressor by sending said image of said compressor configuration information to said control block.

37. (Currently Amended) The compressor assembly of Claim ~~45~~ 50 wherein said control block includes a vibration sensor to sense said vibration.

38. (Currently Amended) The compressor assembly of Claim ~~45~~ 47 wherein said system master is operable to modify said ~~stored~~ image of said compressor configuration information.

39. (Currently Amended) The compressor assembly of Claim ~~45~~ 47 wherein said control block is operable to create an event history from said ~~compressor~~ operating ~~parameters~~ parameter.

40. (Previously Presented) The compressor assembly of Claim 39 wherein said event history is communicated to said system master from said control block.

41. (Currently Amended) The compressor assembly of Claim ~~45~~ 47 wherein said ~~stored~~ image of said compressor configuration information includes at least one of

a serial number of said compressor, a model number of said compressor, a refrigerant code for said compressor, or an oil code for said compressor.

42.   (Currently Amended) The compressor assembly of Claim 45 47 wherein said ~~stored~~ image of said compressor configuration information includes at least one of a pressure limit, a temperature limit and a time limit.

43.   (Currently Amended) The compressor assembly of Claim 45 47 wherein said system master is operable to selectively control said control block.

44-45. (Cancelled)

46.   (New) A compressor assembly comprising:

a shell;

a compression mechanism disposed in said shell;

a motor driving said compression mechanism; and

a control block storing an image of compressor configuration information that is copied to a system master operable to transmit a copy of said image back to said control block.

47.   (New) A compressor assembly comprising:

a shell;

a compression mechanism in said shell;

a motor driving said compression mechanism;

a plurality of sensors monitoring an operating parameter of at least one of said motor and said compression mechanism;

a control block including a microprocessor and a memory, said memory storing an image of compressor configuration information; and

a system master in communication with said control block to receive and store said image of compressor configuration information.

48.   (New)   The compressor assembly of Claim 47 wherein said microprocessor controls communication of said image between said control block and said system master.

49.   (New) The compressor assembly of Claim 47 wherein said control block is mounted on said shell.

50.   (New)   The compressor assembly of Claim 47 wherein said operating parameter includes vibration.

51.   (New) The compressor assembly of Claim 46 wherein said control block is mounted on said shell.